



PTO/SB/03a/b (08-03)
 Approved for use through 07/31/2006 OMB 0551-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form PTO/SB/03a/b INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/824689-Conf. #8065		
		Filing Date	April 14, 2004		
		First Named Inventor	Arthur D. Ballard		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	10884-00008-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GR	AA	US-2004/0180083	09-16-2004	Shiraishi	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Jim Razer</i>	Date Considered	28 Feb 2006
-----------------------	------------------	--------------------	-------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/824689-Conf. #8065
				Filing Date	April 14, 2004
				First Named Inventor	Arthur D. Ballard
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	10884-00008-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SK	AA*	US-2005/0037064	02-17-2005	Basquin et al.	
	AB	US 6,340,473	01-22-2002	Tanner et al.	
SK	AC	US 6,582,727	06-24-2003	Tanner et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
SK	BA	JP-01-143827	06-06-1989	Fuji Capsule K.K.		
	BB	JP-05-43471	02-23-1993	Alfa Wasserman Spa		
	BC	JP-09-25228	01-28-1997	Eisai Co., Ltd.		
	BD	JP-2001-39863	02-13-2001	Fuji Oil Co., Ltd.		
	BE	JP-2003-299714	10-21-2003	Fuji Capsule KK		
	BF	JP-2003-504326	02-04-2003	R. P. Scherer Technologies, Inc.		See BK
	BG	JP-2004-167084	06-17-2004	Ina Food KK		
	BH	JP-2005-112849	04-28-2005	Fuji Capsule KK		
	BI	JP-2005-508359	03-31-2005	Innogen AG		
	BJ	JP-2005-513255	05-12-2005	Ulice and Pierre Fabre Medicament		See AA
	BK	WO-01/03677	01-18-2001	R. P. Scherer Technologies, Inc.		
SK	BL	WO-03/035044	05-01-2003	Innogen AG		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SK	CA	JP01-143827 - English Abstract (Micropatent) and partial English translation	
	CB	JP05-43471 - English Abstract (Micropatent) and partial English translation	
	CC	JP09-25228 - English Abstract (Micropatent) and partial English translation	
	CD	JP2001-39863 - English Abstract (Micropatent) and partial English translation	
	CE	JP2003-299714 - English Abstract (Micropatent) and partial English translation	
	CF	JP2004-167084 - English Abstract (Micropatent) and partial English translation	
	CG	JP2005-112849 - partial English translation	
SK	CH	JP2005-508359 - partial English translation	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	28 Feb 2006
--------------------	--	-----------------	-------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/824689-Conf. #8065
Filing Date	April 14, 2004
First Named Inventor	Arthur D. Ballard
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	10884-00008-US

Sheet 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SR	AA	2,802,000	8/6/1957	Caldwell et al.	
	AB	2,813,093	11/12/1957	Caldwell et al.	
	AC	2,825,727	3/4/1958	C. G. Caldwell	
	AD	2,876,217	3/3/1959	E. F. Paschall	
	AE	3,058,827	10/16/1962	J. L. Graham	
	AF	3,094,517	6/18/1963	N. F. Stanley	
	AG	3,176,003	3/30/1965	D. J. Stancioff	
	AH	3,329,509	7/4/1967	A. Julius	
	AI	3,378,546	4/16/1968	T. Tsuzuki	
	AJ	3,499,962	3/10/1970	Warzburg et al.	
	AK	3,505,110	4/7/1970	Kesler et al.	
	AL	3,607,394	9/21/1971	F. J. Germino et al.	
	AM	3,865,603	2/11/1975	Szymanski et al.	
	AN	4,009,291	2/22/1977	Mitchell et al.	
	AO	4,026,986	5/31/1977	Christen et al.	
	AP	4,129,134	12/12/1978	Hind et al.	
	AQ	4,231,803	11/4/1980	Bovier et al.	
	AR	4,276,320	6/30/1981	A. Moirano	
	AS	4,600,439	7/15/1986	Schneider et al.	
	AT	4,615,897	10/7/1986	Brown et al.	
	AU	4,626,288	12/2/1986	Trzasko et al.	
	AV	4,632,848	12/30/1986	Gassett et al.	
	AW	4,643,894	2/17/1987	S. C. Porter et al.	
	AX	4,725,441	2/16/1988	S. C. Porter	
	AY	4,738,724	4/19/1988	Wittwer et al.	
	AZ	4,795,642	1/3/1989	Cohen et al.	
	ABA	4,828,841	5/9/1989	S. C. Porter	
	ABB	4,935,243	6/19/1990	Borkan et al.	
	ABC	5,089,307	2/18/1992	H. Ninomiya et al.	
	ABD	5,146,730	9/15/1992	Sadek et al.	
	ABE	5,224,989	7/6/1993	Eva Likarova	
	ABF	5,334,640	8/2/1994	Desai et al.	
	ABG	5,342,626	8/30/1994	P. E. Winston, Jr. et al.	
	ABH	5,451,673	9/19/1995	Fishman et al.	
	ABI	5,484,598	1/16/1996	Schurig et al.	
	ABJ	5,549,983	8/27/1996	J. Yamanis	
	ABK	5,525,368	6/11/1996	Rha et al.	
	ABL	5,550,178	8/27/1996	Desai et al.	
	ABM	5,554,385	9/10/1996	N. Stroud	
	ABN	5,587,412	12/24/1996	G. Bochers et al.	
	ABO	5,620,757	4/15/1997	H. Ninomiya et al.	
	ABP	5,646,206	7/8/1997	D. R. Coffin et al.	
	ABQ	5,656,294	8/12/1997	Friend et al.	
	ABR	5,672,699	9/30/1997	R. L. Billmers et al.	
SR	ABS	5,726,008	3/10/1998	J. E. Maskasky	

Examiner Signature	<i>Jim Pagan</i>	Date Considered	26 Feb 2006
--------------------	------------------	-----------------	-------------

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/824689-Conf. #8065	
			Filing Date	April 14, 2004	
			First Named Inventor	Arthur D. Ballard	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	4	Attorney Docket Number	10884-00008-US

SR	ABT	5,804,243	9/8/1998	Loh et al.	
	ABU	5,811,388	9/22/1998	Friend et al.	
	ABV	5,817,323	10/6/1998	Hutchinson et al.	
	ABW	5,932,639	8/3/1999	Eden et al.	
	ABX	5,976,586	11/2/1999	L. Feller	
	ABY	6,030,641	2/29/2000	Yamashita et al.	
	ABZ	6,063,915	5/16/2000	Hansen et al.	
	ACA	6,066,368	5/23/2000	Billmers et al.	
	ACB	6,143,324	11/7/2000	Michaud et al.	
	ACC	6,146,570	11/14/2000	A. J. Stern	
	ACD	6,210,709	4/3/2001	Laba et al.	
	ACE	6,214,376	4/10/2001	A. Gennadios	
	ACF	6,331,205	12/18/2001	L. Paris	
	ACG	6,375,981	4/23/2002	G. M. Gilleland et al.	
	ACH	6,387,354	5/14/2002	Bixler et al.	
	ACI	6,479,649	11/12/2002	Tsai et al.	
	ACJ	6,517,865	2/11/2003	Cade et al.	
	ACK	6,528,088	3/4/2003	Gilleland et al.	
	ACL	6,607,748	8/19/2003	V. Lenaerts et al.	
	ACM	6,649,188	11/18/2003	Gilleland et al.	
	ACN	6,790,495	9/14/2004	Tomka et al.	
	ACO	2002/0081331	6/27/2002	K. E. Tanner et al.	
	ACP	2002/0142031	10/3/2002	G. M. Gilleland et al.	
	ACQ	2003/0138482	7/24/2003	L. G. Fonkwe et al.	
	ACR	2004/0087669	5/6/2004	S. Hausmanns et al.	
	ACS	2005/0069579	3/31/2005	R. Kamaguchi et al.	
	ACT	2005/0070703	3/31/2005	R. Muller et al.	
SR	ACU	2005/0163833	7/28/2005	R. Muller	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code‡	Number⁴-Kind Code⁵ (if known)			
SR	BA	EP	0 169 319	1/29/1986	Berwind Pharmaceutical Services, Inc.	
	BB	EP	0 400 484	12/5/1990	Mitsubishi Rayon Co., LTD	
	BC	EP	0 408 503	1/16/1991	Warner-Lambert Company	
	BD	EP	0 409 781	1/23/1991	Warner-Lambert Company	
	BE	EP	0 409 782	1/23/1991	Warner-Lambert Company	
	BF	EP	0 409 788	1/23/1991	Warner-Lambert Company	
	BG	EP	0 471 558	2/19/1992	Unilever NV	
	BH	EP	0 547 551	6/23/1993	National Search and Chemical Investment Holding Corporation	
	BI	EP	0 606 486	7/20/1994	Teijin Limited	
	BJ	EP	0 622 408	11/2/1994	CP Kelco ApS	
	BK	EP	0 633 896	1/18/1995	National Search and Chemical Investment Holding Corporation	
SR	BL	EP	0 761 691	3/12/1997	National Search and Chemical Investment Holding Corporation	

Examiner Signature	<i>Jim Pagan</i>	Date Considered	28 Feb 2006
-----------------------	------------------	--------------------	-------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/824689-Conf. #8065
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	April 14, 2004
				First Named Inventor	Arthur D. Ballard
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	10884-00008-US

(Use as many sheets as necessary)

SR	BM	JP 5-4914	1/14/1993	Asahi Chemical Ind; Fuji Capsule KK	
	BN	JP 7-196478	8/1/1995	Sugii Hajime	
	BO	WO 94/25493	11/10/1994	The United States of America	
	BP	WO 97/49762	12/31/1997	Oy Polymer Corex Kuopio Ltd.	
	BQ	WO 99/07347	2/18/1999	Paris, Laurence	
	BR	WO 00/10538	3/2/2000	Banner Pharmacaps, Inc.	
	BS	WO 00/18835	4/6/2000	Warner-Lambert Company	
	BT	WO 01/37817	5/31/2001	Greither, Peter	
SR	BU	WO 01/91721	12/6/2001	A.E. Staley Manufacturing Co.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
SR	CA	de Vries J., "Interaction of carrageenan with other ingredients in dairy dessert gels", Gums and stabilisers for the food industry 11: proceedings of the 11th conference, Wrexham, vol. 11 (2002), no. -, pages 201-210, July 2001		
	CB	R. Falshaw et al., "Structure and performance of commercial K-2 carrageenan extracts", Food Hydrocolloids, vol. 17, pages 129-139, 2003		
	CC	FMC BioPolymer, "Carrageenan Matrices for Entrapment", Issue No. 1, April 1993		
	CD	Henry J. Witt, "Carrageenan Nature's Most Versatile Hydrocolloid", pages 347-360, 1985		
	CE	Glicksman, M., "Gum Technology in the Food Industry", Academic Press, pages 213-228, 1969		
	CD	C. J. Lawson et al., "Carrageenans", J.C.S. Perkin I, pages 2177-2182, 1973		
	CE	H. J. Bixler, "Recent developments in manufacturing and marketing carrageenan", Hydrobiologia, pages 35-57, 1996		
	CF	M. C. Matulewicz et al., "Carrageenan Systems from Tetrasporic or Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 28, pages 2937-2941, 1989		
	CG	M. C. Matulewicz et al., "Methylation Analysis of Carrageenans from Tetrasporic and Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 29, no. 11, pages 3407-3410, 1990		
	CH	C. Rochas et al., "Relation Between the Molecular Structure and Mechanical Properties of Carrageenan Gels", Carbohydrate Polymers, vol. 10, pages 115-127, 1989		
	CI	Stancioff, D. J. and Stanley, N. F., "Infrared and Chemical Studies on Algal Polysaccharides", Prod. Intl. Seaweed Symp. 6, pages 595-609, 1969		
	CJ	Bellion, C. et al., "Analysis of Kappa-Iota Hybrid Carrageenans with Kappa-Carrageenase, Iota-Carrageenase and ¹³ C N.M.R.", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 379-384, 1981		
	CK	Peats, S., "The Infrared Spectra of Carrageenans Extracted from Various Algae", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 495-502, 1981		
SR	CL	JP 5-4914 English language Abstract (espace.net)		
	CM	JP 7-196478 English language Abstract (European Patent Office)		

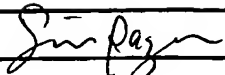
Examiner Signature	<i>Sam Ryz</i>	Date Considered	28 Feb 2006
--------------------	----------------	-----------------	-------------

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/824689-Conf. #8065
				Filing Date	April 14, 2004
				First Named Inventor	Arthur D. Ballard
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	10884-00008-US

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

424606

Examiner Signature		Date Considered	28 Feb 2006
-----------------------	---	--------------------	-------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/824689-Conf. #8065
		Filing Date	April 14, 2004
		First Named Inventor	Arthur D. Ballard
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
Sheet 1 of 1	Attorney Docket Number	10884-00008-US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SR	AA*	US-2005/0089548	04-28-2005	Virgalitto et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

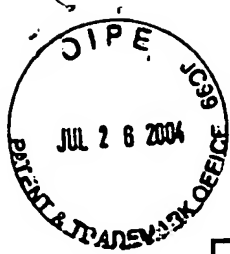
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Jim Ragan</i>	Date Considered	28 Feb 2006
-----------------------	------------------	--------------------	-------------



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

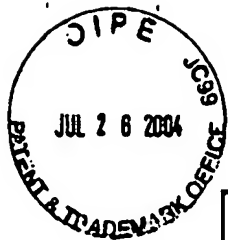
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known			
		Application Number	10/24689 10/824689		
		Filing Date	April 14, 2004		
		First Named Inventor	Arthur D. Ballard		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	10884-00008-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SR		3,962,482	6/8/1976	Uniroyal, Ltd.	
		3,956,173	5/11/1976	Hercules Incorporated	
		4,443,486	4/17/1984	FMC Corporation	
		4,096,327	6/20/1978	FMC Corporation	
		5,002,934	3/26/1991	Norton et al	
		5,051,304	9/24/1991	Societe Anonyme	
		5,264,223	11/23/1993	Japan Elanco Company, Ltd.	
		5,614,217	3/25/1997	R.P. Scherer Corporation	
		5,342,626	8/30/1994	Merck & Co., Inc.	
		5,431,917	7/11/1995	Japan Elanco Company, Ltd.	
		5,756,123	5/26/1998	Japan Elanco Co., Ltd.	
		5,620,757	4/15/1997	Mitsubishi Rayon Co., Ltd.	
		5,342,626	8/30/1994	Merck & Co., Inc.	
		5,089,307	2/18/1992	Mitsubishi Rayon Co., Ltd.	
		5,569,466	10/29/1996	R. P. Scherer Corporation	
		5,820,259	10/13/1998	Q-Jet DSI, Inc.	
		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
		6,099,876	8/8/2000	Yissum Research Development Co. of the Hebrew University	
		6,214,376	4/10/2001	Banner Pharmacaps, Inc.	
		6,326,028	12/4/2001	Monsanto Company	
		6,331,205	12/18/2001	Laurence Paris	
		6,340,473	1/22/2002	R.P. Scherer Technologies, Inc.	
		6,582,727	6/24/2003	R.P. Scherer Technologies, Inc.	
		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
		6,635,275	10/21/2003	Warner-Lambert Company	
		2002/0122822	9/5/2002	Bunick et al	
		2003/0211146	11/13/2003	Scott et al	
		2003/0084641	5/8/2003	Tanner et al	
		2003/0085487	5/5/2003	Tanner et al	
		2003/0138482	7/24/2003	Fonkwe et al	
SR		2004/0052839	3/18/2004	Archibald et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
SR		JP 3-53873	1991	Kotobuki Academy		X
		JP 3-12231	1991	Kotobuki Academy		X
		JP 62-186754	1987	Unicolloid Inc.		X
		JP 60-55039	1985			
		JP 63-164858	1988	Unicolloid Co. Ltd.		X
		WO 00/36930	06/29/2000	The Monsanto Company		
		WO 01/92401	12/6/2001	A.E. Staley Manufacturing Co.		
		WO 01/92400	12/6/2001	A.E. Staley Manufacturing Co.		
SR		WO 03/009832	2/6/2003	R.P. Scherer Holdings Pty Ltd		

Examiner Signature		Date Considered	28 Feb 2006
-----------------------	--	--------------------	-------------



PTO/SB/08a/b (08-03) 2

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known	
		Application Number	4024689 10 824689
		Filing Date	April 14, 2004
		First Named Inventor	Arthur D. Ballard
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	10884-00008-US
Sheet	2	of	2

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SR		Eleya, et al., "Rheology of k-carrageenan and B-lactoglobulin mixed gels", Food Hydrocolloids, vol. 14, pages 29-40, 2000.	
		Falshaw et al., "Structure and performance of commercial kappa-2 carrageenan extracts I. Structure analysis", Food Hydrocolloids, vol. 15, pages 441-452; 2001.	
		Villanueva et al., "Structure and functional performance of gartinacean kappa-iota hybrid carrageenan and solieriacean kappa-iota carrageenan blends", Food Hydrocolloids. Vol. 18, pages 283-292; 2004.	
		Bixler et al., "Kappa-2 carrageenan: structure and performance of commercial extracts II. Performance in two simulated dairy application", Food Hydrocolloids, vol. 15, pages 619-630; 2001.	
		van de Velde et al., "On the structure of k/i-hybrid carrageenans", Carbohydrate Research, vol. 331, pages 271-283, 2001.	
SR		Gums and Stabilisers for the Food Industry; "Liquid Core Hydrocolloid-Oil Capsules"; pages 324-332.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

343858

Examiner Signature		Date Considered	28 Feb 2006
--------------------	--	-----------------	-------------



PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/824689
				Filing Date	April 14, 2004
				First Named Inventor	Arthur D. Ballard
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	10884-00008-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
SR		JP 60-55039	03-29-1985	Mitsubishi Acetate Co., Ltd.		X

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

356589

Examiner Signature	<i>Sim Rasmussen</i>	Date Considered	28 Feb 2006
-----------------------	----------------------	--------------------	-------------